

RATAJCZAK, H.

Influence of pressure upon the electric resistance of iodine
and selenium. Wiad chem 16 no.1:42 Ja '62.

L 14549-65 EWT(1)/EWP(e)/T/EWP(t)/EEC(b)-2/EWP(b) Pad IJP(c)/ASD(a)-5/AFWL/
SSD/ESD(dp)/ESD(t) JD/HW/GG/JAJ/WH

ACCESSION NR: AP4045734

G/0030/64/006/003/0909/0912

(12)

AUTHOR: Gontarz, R.; Ratajczak, H.; Suda, P.

TITLE: Magnetostriiction of thin nickel films

SOURCE: Physica status solidi, v. 6, no. 3, 1964, 909-912

TOPIC TAGS: magnetostriiction, nickel film, magnetostriiction constant, multibeam interference method

ABSTRACT: Magnetostriiction of thin nickel films was investigated by means of a multibeam interference method. The films were deposited in vacuum at a pressure of 3×10^{-5} torr at a rate of about 100 A/sec onto thin mica substrates, at room temperature. They had uniaxial magnetic anisotropy, with a constant of $K_u = 1.0 \times 10^5$ erg/cm³ produced by oblique deposition at an angle of about 55 degrees. When the magnetization of the thin film was switched in the direction of the difficult axis, changes in the deflection of the mica substrate due to magnetostriiction were noted. The magnetostriiction constant λ_s was calculated

Card 1/3

L 14549-65

5

ACCESSION NR: AP4045734

from the magnetostriction deflection curve (deflection measured in distances of the interference fringes for the green mercury line), with the following assumptions: thickness of the film is negligible compared with that of the substrate and the neutral zone of the substrate is at half its thickness; changes in deflection obey Hooke's law; magnetostrictive deflection of the substrate occurs only in the direction of the applied magnetic field, bending in the perpendicular direction being neglected. Measurements were made on the axis of symmetry of the film, parallel to the magnetic field. A value of $\lambda_s = 41 \times 10^{-6}$ was obtained, which does not differ much from the magnetostriction constant of bulk nickel (given as 32×10^{-6}). Deflections of the mica substrate due to stresses caused by the evaporation process are shown in the interference pattern as a system of hyperbolas. This pattern can be explained as originating in saddle-like deflection of the substrate. "The authors express their gratitude to Prof. Dr. S. Szczeniowski of the Institute of Physics, Polish Academy of Sciences, for his interest and to J. Paces and V. Kambersky of the Institute of Physics, Czechoslovak Academy of Sciences, for helpful discussions." Orig. art. has: 3 figures.

Conf 2/2

L 14549-65
ACCESSION NR: AP4045734

ASSOCIATION: Laboratory of Ferromagnetics, Institute of Physics,
Polish Academy of Sciences, Poznan; Institute of Physics, Czechoslovak
Academy of Sciences, Prague

SUBMITTED: 22Jun64

ENCL: 00

SUB CODE: SS, EM

NO REF Sov: 000 OTHER: 007

Card 3/3

RATAJCZAK, H.

On the electronic structure of cyclic systems with the rings
 C_3H_3 and C_5H_5 . Wiad chem 16 no.1:41 Ja '62.

RATAJCZAK, H.

The problem of additivity of the lattice energy of organic
crystals. Wiad chem 16 no.1:39-41 Ja '62.

RATAJCZAK, H.

On the tautomeric equilibrium of the system tetrazole - azide.
Wiad chem 16 no.7:465 J1 '62.

RATAJCZAK, H.

Saturation magnetization as a function of the thickness
in thin iron films evaporated in vacuum. Acta physica Pol
25 no.5:675-681 My '64.

1. Ferromagnetic Laboratory, Institute of Physics, Polish
Academy of Sciences, Poznan.

SOBCZYK, L.; KOLL, A.; RATAJCZAK, H.

Dielectric polarization and the interaction of phenols and piperidine
in hydrogen bonded complexes. Biul chim PAN 11 no.2:85-89 '63.

1. Department of Physical Chemistry, University, Wroclaw. Presented
by W. Trzebiatowski.

KATTAZAK, Henryk

Magnetic properties of thin ferromagnetic films in quasi-static fields. Zeszyt prob. nauki Pol. 25:42-51 '63.

Dependence of the magnetic anisotropy of thin iron films on the geometry of evaporation. Zeszyt prob. nauki Pol. 25:147-153 '63.

1. Department of Ferromagnetics, Institute of Physics, Polish Academy of Sciences, Poznan.

RATAJCZAK, Henryk; SOBCZYK, Lucjan

Influence of self-ionization on the dielectric polarization of dimers
of carboxylic acids. Rocznik chemii 33 no.6:1397-1405 '59. (EEAI 9:9)

1. Katedra Chemii Fizycznej Uniwersytetu, Wrocław i Katedra Chemii
Fizycznej Politechniki, Wrocław.
(Carboxylic acids) (Polymers and polymerization)
(Dielectrics) (Polarization)

KARTASZYNISKI, Boleslaw, doc. inz.; RATAJCZYK, Henryk, mgr inz.;
SZEZEPPIORKOWSKA, Maria, mgr inz.

Semiautomatic synchronization method of closing-in
turbogenerators for parallel work. Energetyka Pol 18
no.12:Suppl:Biul inst energetyki 6 no.11/12:58-60 D '64.

1. Department of Automation and Safety Devices of the
Institute of Power Engineering, Warsaw.

RATAJCZAK, HENRYK

Off
The problem of ionization of heterocyclic compounds.
Henryk Ratajczak and Lucjan Skowronek (Wrocaw, Poland). *Acta Chem. Pol.* 33, 103-110 (1989) (English summary).—In order to prove the hypothesis of the existence of an internal Li bonding (Rudzikov, et al., *C.A.* 65, 2200) the dielectric polarization of LiOBu₂ (I) in dimethyl (II) and *tert*-butyl solns. was determined as a function of concn. Similar curves for the 2 solvents proved that the effect of II did not appear in the case of I. The hypothesis is thus not confirmed.
A. Kryszewski

48246
463d
463b
4

KATAJCZAK, Henryk

Mistr: 4Elx(g)

✓ The influence of self-ionization on the dielectric polariz.
of some dimers of carboxylic acids. Henryk Kataczak and
Lucjan Sobczyk (Univ. Wroclaw, Poland). Roczniki Chem.
33, 1397-1406 (1959) (English summary).—In order to con-
firm the hypothesis of self-ionization of (dimers of carboxylic
acids) (I), the dielec. polarization P_∞ of binary mixts. of
benzoic (II), acetic (III), phenylacetic (IV), chloroacetic
(V), and trichloroacetic (VI) acids was examd. in C_6H_6 solns.
The following values of P_∞ were found: V-II 143; VI-II
224; V-VI 146; VI-IV 175; III-IV 73; V-IV 127; II-IV
100; III-V 105; II-III 75. P_∞ (effective) of mixts. of I is
independent of concn., whereas P_∞ (additive) decreases with
increasing concn. Their difference, ΔP , increases linearly
with the change of ΔpK of I. ΔP of mixts. contg. II are
remarkably higher than the others. The results confirm the
above hypothesis with respect to mixts. of I, but self-ioniza-
tion in pure I solns. is less important than suggested by
Harris and Alder (CA 48, 10408a) and their values of thermo-
dynamic quantities are doubtful. A. Kreglewski

SZYMANSKI, Krzysztof, mgr inz.; RATAJCZAK, Janusz, mgr inz.

Measurements of the forces involved during the moving of
the former Carmelite Church in the Leszno Quarter of the
city of Warsaw. Pemiray 9 no.6:233-234 Je'63.

SZYMANSKI, Krzysztof, mgr. inż.; RATAJCZAK, Janusz, mgr inż.

Research on the 4,5 T gantry crane. Przegl budowl i
bud mieszk 34 no.9:567-568 S '62.

RATAJCZAK, K.; WOJCIK, M.

Outline of the system of cost accounting of the Soviet Railroads. (Conclusion) p.192
(PRZEWODNIK KOLEJOWY, Vol. 9, No.5, May 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (EVAL) LC, Vol. 6, No. 9, Sept. 1957, Uncl.

RATAJCZAK, Z.

On the decomposition of π electrons in pyrrole. Wiad chem
16 no.5:331 My '62.

16.6500

P/524/62/000/001/001/001
D237/D308

AUTHOR:

Ratajczak, Zbigniew

TITLE:

On the approximate solution of a linear inhomogeneous differential equation of the second order

SOURCE:

Poznan. Politechnika. Zeszyty naukowe. no. 12.
Matematyka, no. 1, 1962, 29-39

TEXT:

The author derives an approximate solution of

$$\ddot{x} + f(t)\dot{x} + g(t)x = h(t) \quad (0.1)$$

where $f(t)$, $g(t)$ and $h(t)$ are real and continuous in the closed interval $[0, t_2]$. The above equation was solved for the case $g(t) = \omega^2 = \text{const.}$, $h(t) \geq 0$ by N.A. Pan'kin and for the case $h(t) \leq 0$ by D. Bobrowski and others. The author uses N.A. Pan'kin's method to obtain an approximate solution in $[0, t_1]$ where $t_1 = t_2 - \varepsilon$, $\varepsilon > 0$ and arbitrarily small. To determine the error of the solution, estimates are obtained for $\Lambda(t)$ from above and below, also for $\xi(t)$

Card 1/2

P/524/62/000/001/001/001
D257/D308

On the approximate solution ...

and $\eta(t)$. There is 1 figure.

ASSOCIATION: Politechnika Poznańska, Katedra Matematyki (Poznań
Polytechnic, Department of Mathematics) *JC*

Card 2/2

43395

S/044/62/000/011/039/064
A060/A009

AUTHORS: Bobrowski, D., Ratajczak, Z., Wiśniewski, H.

TITLE: On an approximate solution of a second-order linear differential equation

PERIODICAL: Referativnyy zhurnal, Matematika, no. 11, 1962, 30, abstract 11V133
(Zesz. nauk. Politechn. poznańsk. Mechaniz. i elektryf. roln., s.
a., no. 3, 183 - 196; Polish; summaries in Russian, English)

TEXT: An approximate solution is derived for the differential equation

$$x'' + f(t)x' + g(t)x = 0 \quad (1)$$

for the finite interval $[0, t_1]$, in which $f(t)$ and $g(t)$ are continuous functions of the real variable t and satisfy the condition

$$g(t) > \frac{1}{4} [|f(t)| + \beta^2] + \gamma,$$

where

$$\beta = \frac{1}{2} \left[\sup_{0 \leq t \leq t_1} f(t) - \inf_{0 \leq t \leq t_1} f(t) \right].$$

Card 1/2

S/044/62/000/011/039/064
A060/A000

On an approximate solution of a second-order

$$\gamma = \frac{1}{2} \left[\sup_{0 \leq t \leq t_1} \sigma(t) - \inf_{0 \leq t \leq t_1} g(t) \right].$$

The result yields the approximate solution of the form

$$\tilde{x}(t) = \tilde{A}_0 \exp \left[-\frac{1}{2} \int_0^t r(\tau) d\tau \right] \sin \left\{ \frac{\omega^2}{2k} t + \bar{\alpha}_0 - \right. \\ \left. - \frac{1}{2k} \int_0^t [\delta r(\tau) - g(\tau)] d\tau \right\}, \quad 0 \leq t \leq t_1,$$

which may differ arbitrarily little from the exact solution of equation (1) provided that βt and γt are sufficiently small.

I.A. Kovalev

[Abstracter's note: Complete translation]

Card 2/2

BROGUŁ-LĘKĘROWSKA, Maria; RATAJCZAK-MAJEWSKA, Czesława; ZIELIŃSKA, Krystyna

Fatal hemorrhaging duodenal ulcer in newborn infants. Pediat.
Pol. 40 no.8:873-875 Ag '65.

1. Z Katedry Anatomii Patologicznej Studium Doskonalenia Lekarzy
AM w Warszawie (Kierownik: doc. dr. med. M. Kobuszewska-Faryna)
i z Oddziału Niemowlęcego Miejskiego Szpitala Bielanskiego w
Warszawie (Ordynator: dr. med. K. Karłowicz).

RATAJCZYK, Eugeniusz, mgr inż.

Prototype of a device for exact measuring of small openings. Mechanik
35 no.11:622-623 N '62.

RATAJCZYK, Eugeniusz, mgr., inz.

Notes on workshop instruments for measuring small holes. Mechanik 34
no.12:608-611 '61.

1. Politechnika Warszawska.

(Measuring instruments)

RATAJCZYK, Eugeniusz, mgr., ins.

Notes on workshop instruments for measuring small diameters.
Mechanik 34 no.11:570-572 '61.

1. Politechnika Warszawska.

RATAJCZYK, Eugeniusz; LEWANDOWSKI, Stefan, mgr inż.; AKENTOWICZ, M.

Review of publications. Mechanik 37 no.6:345-346 Je '64.

RATAJCZYK, Eugeniusz, mgr., inz.

Universal measuring instruments with visual gauges. Mechanik 34 no.1:
31-33 '62.

MODRZEWSKI, Tadeusz; RATAJEK, Miroslawa; ZAWADZKA, Krytyna

Myoma of the stomach. Wiad. lek. 18 no.2:173-175 15 Ja '65

1. Z Oddzialu Chirurgicznego Szpitala im. dr. Bieganskiego
w Lodzi (ordynator: dr. T. Modrzewski) i z Zakladu Anatomii
Patologicznej (kierownik: dr. J. Wierciński).

POLAND

WAKSMUNICKI, Andrzej, prof. dr; RATAJEVICZ, Ignacy, dr.

Dept. of Inorganic Chemistry, Pharmaceutical Section,
Lublin Medical Academy (Katedra Chemicznej Nierorganicznej
Wydziału Farmaceutycznego Akademii Medycznej, Lublin)
(for both)

Warsaw, Chemia ogólna, No 6, Nov-Dec 1969, pp 1129-31

"Influence of the organic phase type on the course of
the dependence $K_{\text{d}} = f(\text{pH})$ of some acridine derivatives."

WAKSMUNDZKI, Andrzej; RATAJEWICKI, Zbigniew

Measurements of electrical surface potentials using the dynamic
condenser method. Rocznik chemii 35 no.6:1717-1726 '61

1. Pracownia Zakladu Fizykochemii Zjawisk Powierzchniowych,
Instytut Chemii Fizycznej, Polska Akademia Nauk, Lublin.

KALISZEWCZ, Seweryn; TORZECKA, Wieslawa; RATAJCZYK, Ewa; LEGIEWSKI, A.

Simultaneous rupture of the cardiac septum and wall during the course
of infarction. Polski tygod. lek. 16 no. 13:1749-1752 6 ■ '61.

1. Z I Kliniki Chorob Wewnetrznych A.M., kier. prof. dr n. med. J. W.
Grott i z Zakladu Anatomii Patologicznej W.A.M.: kier.: prof: dr med.
Al. Pruszczyński.

(MYOCARDIAL INFARCT compl) (HEART SEPTUM dis)

RATAJCZYK, Florian; SIUDA, Zdzislaw

Sintering of bifocal eyeglasses. Szklo 13 no.3:76-80 Mr
'62.

PALCZEWSKA, W.; RATAJCZYK, I.

Influence of catalytic promoters on the permeation of hydrogen from
the gaseous phase into iron. The effect of hydrogen sulphide. Bul
chim PAN 9 no.4:267-275 '61.

1. Department of Physical Chemistry of Electrode Processes, Institute
of Physical Chemistry, Polish Academy of Sciences. Presented by
M. Smialowski.

(Catalysts) (Hydrogen) (Permeability) (Iron)
(Sulfides)

WAKSMUNDZKI, Andrzej; SOCZEWSKI, Edward; RATAJEWICZ, Danuta

Chromatographic separation of some acridine derivatives. Chem anal 8 no.1:103-106 '63.

1. Department of Inorganic Chemistry, Faculty of Pharmacy,
Academy of Medicine, Lublin.

WAKSMUNDZKI, Andrzej; RATAJEWICZ, Danuta; SOCZEWSKI, Edward

A rapid method for the chromatographic analysis of mixtures of
brucine and strychnine. Acta pol. pharm. 19 no.1:44-47 '62.

1. Z Katedry Chemii Nieroganicznej Wydziału Farmaceutycznego Akademii
Medycznej w Lublinie Kierownik: prof. dr A. Waksmandzki.
(ALKALOIDS chem) (STRYCHNINE chem)

FERENCOWICZ, Jan, mgr.inz., zastępca profesora; RATAJEWICZ, Jerzy, mgr., inz

Heat motion and mass diffusion in pneumatic heat exchangers.
Inżynieria sanitarna no.45:29-54 '61.

1. Katedra Ogrzewania i Wentylacji Politechniki Wrocławskiej
(for Ferencowicz). 2. Starszy asystent Katedry Ogrzewania i
Wentylacji Politechniki Wrocławskiej (for Ratajewicz).

WAKSMUNDZKI, A.; RATAJEWICZ, Z.

The use of the dynamic condenser method for measurement of electric potentials on solid insulator - water solution interfaces. Bul chim PAN 9 no.6:451-453 '61.

1. Laboratory of Physical Chemistry of Surface Phenomena, Lublin and Institute of Physical Chemistry, Polish Academy of Sciences. Presented by B. Kamienski.

S/081/63/000/001/028/061
B144/B186

AUTHORS: Waksmundzki, Andrzej, Ratajewicz, Zbigniew

TITLE: Measurements of electrical surface potentials using dynamic capacitors

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1963, 99, abstract
1B690 (Roczn. chem., v. 35, no. 6, 1961, 1717-1726
[Pol.; summaries in Russ. and Eng.])

TEXT: The surface potentials (SP) of water and aqueous solutions of KCl (0.01-0.1 N) were measured with a dynamic capacitor in the presence of pyridine, picoline and quinoline. The data obtained are not consistent with the SP determined previously by one of the authors by the flow method. This inconsistency is explained by a suggestion that volatile surfactants are adsorbed on the surface of the metal plates of the capacitor. This hypothesis offers an explanation for the change of the SP sign with low surfactant concentrations, and is confirmed by measurements of the time-dependence of surface potentials. [Abstracter's note: Complete translation.]

Card 1/1

RATAJEWICZ, Zbigniew

Remarks on the dynamical condenser method. Rocznik chemii 35 no.5:1543-1547 '61.

1. Laboratory of Physical Chemistry of Surface Phenomena Institute of Physical Chemistry, Polish Academy of Sciences, Lublin.

WAKSMUNDZKI, Andrzej; RATAJEWICZ, Zbigniew

Measurements of electrical surface potentials using the
dynamic condenser method. Rocznik chemii 35 no.6:1717-1726
'61.

1. Pracownia Zakladu Fizykochemii Zjawisk Powierzchniowych,
Instytut Chemii Fizycznej, Polska Akademia Nauk, Lublin.

RATAJSKA, Irena; GORALOWNA, Maria

Results of otoscopic examinations and hearing tests in
children with osteoarticular tuberculosis. Gruzlica 30
no.7:641-649 '62.

1. Z Sanatorium im. Janka Krasickiego w Otwocku Dyrektor: dr
med. J. Sowinski.

(TUBERCULOSIS, OSTEOARTICULAR)

(TUBERCULOSIS IN CHILDHOOD)

(HEARING TESTS) (EAR)

(ENDOSCOPY)

PATAJSKA, Irena

An attempt to establish the diagnosis of tuberculous changes
in the ear of children without supplementary tests. Gruzlica
23 no.2:121-129 F '65

RATAJSKA, Irena; LOTH, Felicjan

Effect of tonsillectomy on the treatment of osteoarticular tuberculosis. Otolar.polska 14 no.2:239-249 '60.

1. Z Państwowego Sanatorium dla dzieci w gruslica kostno-stawowa
w Otwocku, Dyrektor: dr R.Matyjasek.

(TONSILECTOMY)

(TUBERCULOSIS OSTEOARTICULAR in inf & child)

PITAN, I.

Aggregates of electric generators driven by internal-combustion engines. p. 77.

ROZDZIAŁ KOLEJNY ELEKTROTECHNICZNY. (Wydawnictwa Komunikacyjne) Warszawa,
Poland, Vol. 11, No. 3, Mar. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1959.
Uncla.

RATAY, K

COL. : Chemicals
CATEGORY : Weeds and Weed Control.
ABS. JOUR. : RZhBiol., No. 3, 1959, No. 11215
AUTHOR : Ratay Karel
INST. : -
TITLE : Herbicides in the Control of Weeds in Flax Sowings.
ORIG. PUB. : Mezhdunar. s.-kn. zh., 1958, No. 1, 69-70

ABSTRACT : In 1956, about 20,000 hectares of flax were treated in Czechoslovakia with "dikotex" (potash salt of 2-methyl-4-chlorophenoxyacetic acid). Flax of 8-15 cm in height is resistant to the effect of the herbicide and must be sprayed in large droplets, on an average of more than 1 millimeter in diameter. This is achieved by the use of sprayers with rotating disks. The spraying is not done either in the presence of excessive humidity or critical dryness. Too low a temperature lowers the effectiveness of the herbicide and excessively high temperature intens-

CARD: 1/4

COUNTRY :
CATEGORY :
ABS. JOURN. : RZhBiol., No. 1959, No. 11213
AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : sifies its toxicity. The optimum temperature is 20-25°. The dosage is 1 kilogram/ha. The injury to flax is observed in the following cases. With the too early spraying of the flax (below 8 cm), the growth is delayed by 6-3 days. At the height of 4-5 above the ground, the bend in the stem remains. Such flax lodges easily. With a late spraying (over 15 cm) the effect of "dikotax" is less injurious than with an early application. However, the yield of the fiber may become lower. When using the preparation in the period of drought, the greatest risk.

CARD: 2/4

-6-

COUNTRY :
CATEGORY :
ABS. JOUR. : RZhBiol., No. 1959, No. 11.218
AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : occurs in thinned plantings. In that case the preparation is absorbed by the excessively dry soil in which the active water is absent. As the result, the preparation is absorbed by flax; injury to the roots ensues and the plants stop growing. With a gross non-observance of the methods of the application of "dikotex", the content of K₂O drops sharply in the above-ground parts of the plants and increases in the roots. The lack of potassium and the impairment of the phosphoric metabolism in the above-ground parts explain the poor formation of fiber in the injured plants. "Dikotex" stops in the plant the forma-

CARD: 3/4

POL/7-60-22-44/46

AUTHOR: Ratajczak, Bronisław

TITLE: 1959 in the Świdnik Aeroclub.

PERIODICAL: Skrzydłata polska, 1960, No. 22, Supplement "Przegląd lotnictwa cywilnego" 1960, No. 11, p. 4

TEXT: The Świdnik Aeroclub held a General Assembly on March 27, 1960. Chairman of the WSK workers' council, Tadeusz Usyk, and APRL representative Engineer Stanisław Wielgus, attended the Assembly. It was presided by Engineer Henryk Gołębiowski. Graduate Engineer Józef Kańczugowski, Chairman of the Świdnik Aeroclub- presented a report on the 1959 activities of this club. The following members were praised for their outstanding activities in training glider and aircraft pilots: Technical Chief Ryszard Kasperek; Instructor Henryk Ignasiak; Instructor Waler Włodarkiewicz and Instructor Zdzisław Chyliński. It was proposed to decrease the number of the Aeroclub personnel by 8. Graduate Engineer Józef Kańczugowski was again elected as Chairman. O

Card 1/1

CICHOCKA-SZUMILIN, Irena; RATAJSKA, Irena

Attempted therapy of chronic inflammatory conditions of the ears in children with osteoarticular tuberculosis. Otolar polska 15 no.1: 36-41 '61.

1. Z Kliniki Otolaryngologicznej w Warszawie Kierownik: prof. J. Szymanski Z Panstw. Sanat. p/g dla dzieci z gruzica kostno-stawowa Dyrektor: dr med J. Sowinski.

(TUBERCULOSIS OSTEOARTICULAR in inf & child)
(OTITIS in inf & child)

RATAJSKI, H. (Poznan)

On the convergence of orthogonal series of polynomials. Studia
math 25 no.2:207-215 '65.

1. Submitted March 26, 1964.

RATAJSKI, L.

GEOGRAPHY & GEOLOGY

RATAJSKI, L. Powierzchnia i ludność państw świata. 1953. 49p. (Polskie Towarzystwo Geograficzne. Biuletyn geograficzny, nr. 1-2)

Monthly List of East European Accessions (EEAI) LC. Vol. 8, No. 4
April 1959, Unclass

RATAJSKI, L.

GYROGRAPHY - GEOGRAPHY

RATAJSKI, L. Nazwy fizjograficzne Afryki i miasta Afryki od 50-100 tys. mieszkańców. Warszawa, Polska Akademia Nauk, Instytut Geografii, 1955. 31 p. (Dokumentacja geograficzna, zesz. 4)

Monthly List of East European Accessions (EEA) LC, Vol. 8, No. 4
April 1959, Unclass

RATAJSKI, L.

GEOGRAPHY & GEOLOGY

RATAJSKI, L. Nazwy fizjograficzne Grenlandii, Ameryki Północnej i Środkowej oraz nazwy miast od 50-100 tys. mieszkańców dla Ameryki Północnej, Środkowej, Południowej, Australii i Nowej Zelandii. Warszawa. Polska Akademia Nauk, Instytut Geografii, 1955. 32 p. (Dokumentacja geograficzna, zesz. 7)

Monthly List of East European Accessions (EAI) LC, Vol. 8, No. 4
April 1959, Unclass

RATAJSKI, L.

GEOGRAPHY & GEOLOGY

RATAJSKI, L. Nazwy ~~geograficzne~~ hydrograficzne (hydrograficzne: jeziora, rzeki, kanaly i uedy, oraz orograficzne: gory, stczyty, rzecze, wyzny, niziny, dystynie, wybrzeza i krayny pobrzeszne) Azji (bez Z.S.R.R.). Warszawa, Polska Akademia Nauk, Instytut Geografii, 1955. 38 p. (Dokumentacja geograficzna, zesz. 1)

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 4
April 1959, Unclass

RATAJSKI, L.

Geography & Geology

fizjograficzne

RATAJSKI, L. Nazwy fizjograficzne Ameryki Południowej, Australii i Oceanii, Antarktydy oraz nazwy fizjograficzne mórz i oceanów świata. Warszawa, Akademia Nauk, Instytut Geografii, 1955. 40 p. (Dokumentacja geograficzna, zesz. 8)

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 4
April 1959, Unclass

RATAJSKI, L.

GEOGRAPHY & GEOLOGY

RATAJSKI, L. Nazwy narodowosci, plemion i grup jazykowych swiata (bez ZRR). Warszawa, Polska Akademia Nauk, Instytut Geografii, 1955. 57 p.
(Dokumentacja geograficzna, zesz. 12)

Monthly List of East European Accessions (FEAI) LC, Vol. 8, No. 4
April 1959, Unclass

BORECKI, Marcin, prof. mgr. inż.; LUDWIKI, Andrzej, doc. mgr. inż.;
SAWKA, Bohdan, mgr. inż.; RATAJSKI, Włodzimierz, inż.; FEMBOK,
Władysław, mgr. inż.

Technical characteristics and operation of GIG type hydraulic
props. Przegl gorn 20 no.11:521-529 II '64.

GFPB(1), Jozefy, M. et al., Pol. Agricul. Publ. Inst., Warsaw, 1965.

Genetic resistance to tuberculosis in swine. Prace nauk roln.
roj. 19 no.1:59-76 '65.

1. Department of General Animal Breeding and Department
of Specific Animal Breeding of the School of Agriculture, Poznan.

SZENT IVANYI, Tamás, dr., az állatorvos tanományok kandidátusa; SZABÓ,
István, dr.; Tímási, Zoltán, dr.; PÁLALICS, László, dr.

Vaccinal diarrhoea of piglets. Magy állatorv. lap 19 no.1:11-15
in '54.

i. Chair of Epidemiology, University of Veterinary Medicine
(Head of Chair: Academician Dr. Rezső Manninger), Budapest,
and National Institute of Veterinary Hygiene (Director:
Tibor Kádár), and Debrecen Institute of Veterinary Hygiene
(Director: Dr. Gusztáv Hajdu), Debrecen.

EDMUND, Gyula, Dr., director; RATALICS, Laszlo, Dr.; and TENESEI, Gabor, Dr.; of the Institute of Veterinary Hygiene in Debrecen (Debreceni Allatorvosegyui Intezet)

"Parasitic Occurrence of Poultry Losses Caused by Hypertrophy of the Heart."

Budapest, Magyar Allatorvosok Lapja, Vol 13, No 4, Apr 63, pp 140-143.

Abstract [Authors' English summary modified]: Report on the first known occurrence in Hungary of poultry losses caused by hypertrophy of the heart which killed 17.02 percent of the Leghorn pullets on a collective farm. The clinical picture, and the pathological and histological findings corresponded to those described in foreign literature. Switch to industrial mixed feed, and the elimination of zinc feeders immediately stopped the disease. Artificial infection tests were negative. It appears that metabolic disorders or toxic effects may play a part in the etiology of the disease. Eight references, including 1 Hungarian, 2 English, and 5 German.

1/1

...nfectious, 1957, 11, 1-3; Tihany, Szeged, dr.

Mass occurrence of pulmonary anthrax in newborn piglets. Nagy
villatory lap. 1957 no. 5:203-205. My '64

1. Debrecen Institute of Veterinary Hygiene (Director: Dr.
Gyaszta Hajdu), Debrecen.

F.D.I., Iasi, Dr., STABIN, JAMES, M.D.

The *Leptospira interrogans* caused disease in sheep. Magy allatory
Jap 19 no. 3:112-114. Mr. '64

I. Debrecen Institute of Veterinary Hygiene (Director: Dr. Gusztav
Hajdu), Debrecen.

SOV/120-59-1-20/50

AUTHORS: Sus, A. N., Ratanov, G. V.

TITLE: Amplifier with a Logarithmic Characteristic (Usilitel's logarifmicheskoy kharakteristikoy)

PERIODICAL: Pribory i tekhnika eksperimenta, 1959, Nr 1, pp 83-85
(USSR)

ABSTRACT: The amplifier is based on the method of successive detection (Refs 1 and 2). In this type of amplifier, each gain stage is followed by a detector. The currents produced by all the detectors flow through a common resistance which also serves as the output load of the amplifier. When the input signal is increased, the last tube of the amplifier is overloaded first and the voltage at its output stops increasing. With a further increase of the signal, the other tubes of the system become gradually overloaded. A detailed circuit diagram of the amplifier is shown in Fig 2. This consists of six identical stages based on triodes Type 6G2. Overall amplification of the system is 10^6 . Each anode circuit of the triodes is provided with a decoupling filter. Each stage

Card 1/2

SOV/120-59-1-20/50

Amplifier with a Logarithmic Characteristic

of the amplifier contains a rectifying diode, Type 6Kh6. The output stage is provided with a micro-ammeter or a registering potentiometer. The amplitude characteristic of the amplifier is shown in Fig 3, where the output current is plotted against the logarithm of the input voltage (for voltages from 10 μ V to 1 V). The paper contains 3 figures and 6 references, of which 4 are Soviet and 2 are German; 2 of the Soviet references are translated from English. (Note: The amplifier described was ordered by the Institute of Semiconductors of the Soviet Academy of Sciences).

ASSOCIATION: Saratovskiy gosudarstvennyy universitet (Saratov State University)

SUBMITTED: January 25, 1958.

Card 2/2

RATANOVA, T.A.

Causes of illusions in the perception of weight. Vop. psikhologii
no.4:105-115 Jl-Ag '63. (MIRA 17:1)

1. Institut psichologii Akademii pedagogicheskikh nauk RSFSR,
Moskva.

RATANOVA, T.A.

Conditions of the appearance of set in perception. Vop. psikhол.
8 no.4:110-120 Jl-Ag '62. (MIRA 16:1)

1. Institut psikhologii Akademii pedagogicheskikh nauk RSFSR, Moskva.
(Perception)

FREYMAN, I.; RATANOVA, V.; SELYKH, Ye.; SOSEDOV, N.

Using methyl bromide for disinfecting cereal products and grain
in storage. Muk.-elev.prom. 26 no.7:12-14 J1 '60.

(MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i
produktov yego pererabotki.

(Methane)

(Grain--Storage)

USSR / General and Specialized Zoology. Insects. Pests of Food
Stuffs.

P

Abs Jour : Ref Zhur - Biologiya, No 16, 1958, No. 73686

Author : Rumyantsev, P. D.; Ratanova, V. F.; Solenova, Ye. A.
Inst : All-Union Sc.-Res. Inst. of Grain and the Processing
of Its Produce

Title : Toxic Action of Aluminum Phosphid on Grain Pests

Orig Pub : Tr. Vses. n.-i. in-t zerna i produktov yego pererabotki,
1957, vyp. 33, 55-71

Abstract : The minimum norm for the use of 90% AlP on the feeding
stages of mites, curculionid beetles, and pea weevils
under hermetic conditions is less than 15 g/m³. When
H₃P is applied, the mites (particularly Glycyphagida)
perish in less than 24 hours under optimum conditions
of fumigation, but curculionid beetles and weevils are
not destroyed before the 4th - 8th day. In their

Card 1/2

1. X-RAY ZURICH INSTITUTE • MARSHAL INSTITUTE
2. GRAIN IRADIATION INSTITUTE OF THE USSR
3. 1200-1100-1100-1100, NO. 2, 1100, NO. 7081

Bogolyubov, P.O. & Batanova, V.F.
Aviation de. Res. Inst. of Grain and its
The Effect of Ionizing Radiation on Grain
Bugs.

Vest. Akad. in-ta zerna i produktov yego
pererabotki, 1957 (1958), vyp. 13, 55-57
The action of X-rays in doses of 5-300
rads was investigated in a series of
experiments on the mite Tyrophagus noxius.
Irradiation in a dose of five thousand r
killed 4/5 of the eggs, mostly the younger
ones (1-3 day old). Sexual sterilisation
of the larvae, the nymphs and the adults of
the mites was obtained by irradiation in
doses of 60-80 thousand r. Doses of 300
thousand r caused death of all stages of the

* Processed Products.

CABO 1

1/2

58

RATANOVA, V. F., Cand Biol Sci -- (diss) "Prophylaxis as a basis in the battle with rice curculionidae -- most important pests to grain storage." Moscow, Grains Publishing House, 1960. 19 pp; with illustrations; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Technological Inst of the Food Industry); 150 copies; price not given; list of author's works at end of text (13 entries); (KL, 28-60, 159)

SOSHOV, N.; RATANOVA, V.; FREYMAN, I.; MEN'SHOVA, L.; MARKIN, A.; NEPOKLONOV,
A.; LEVCHENKO, Ye.; SKOPINSKII, I.; AGRAIPOVA, Ye.

Disinfection of grain with methyl bromide in the ship's hold. Mak.-
elev. prom. 26 no.10:12-14 0'60.
(MIRA 13:10)
(Grain--Disinfection) (Methylene)

LEVCHENKO, Yevgeniy Andreyevich; SOLODOVNIK, P.S., retsentent;
RATANOV, V.F., st. nauchn. sotr., kand. biol. nauk,
retsentent; YEREMENKO, V.M., st. inzh., retsentent;
KLEYMAN, L.M., red.

[Control of granary pests] Bor'ba s vrediteliami khlebnykh
zapasov. Moskva, Kolos, 1965. 141 p. (MIRA 18:9)

1. Zaveduyushchiy laboratoriye Vnesoyuznogo nauchno-
issledovatel'skogo instituta zerna i produktov yego pere-
rabotki (for Solodovnik). 2. Gosudarstvennyy proizvod-
stvennyy komitet po khleboproduktam i kombikormovoy pro-
myshlennosti RSFSR (for Yeremenko).

MARKIN, A.K., kand.sel'skokhoz.nauk; RATANOVA, V.F., kand.biolog.nauk

Disinfecting rife with methyl bromide in the holds of ships and
barges. Zashch. rast. ot vred. i bol. 6 no.12:37-39 D '61.

(MIRA 16:5)

RATANOVA, V.F.; SOLODOVNIK, P.S.

Preventive measures against granary pests. Zashch. rast. ot vred.
i bol. 8 no.8:35-36 Ag '63. (MIRA 16:10)

1. Institut zerna, Moskva.

KIRICHENKO, P.; RATANOVA, V.; SERGEYEV, F.; POLCHANINOVA, G.

Disinfecting grain with methyl bromide in the silos of elevators equipped with recirculating units. Mik.-elev. prom. 29 no.2: 8-9 F '63. (MIRA 16:8)

1. Khar'kovskaya mashinoispytatel'naya stantsiya (for Kirichenko).
2. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov yego pererabotki (for Ratanova, Sergeyev, Polchaninova).
(Methane) (Grain--Disinfection)

RATASEP, G.A., inzh.

Analysis of ways for reducing the time spent by the Volga
fleet waiting for the use of locks. Trudy LIVT no.57:45-50
'64. (MIRA 12:11)

GOMOLA, Frantishek, inzh. [Homola, František]; RATAY, Milosh, inzh. [Rataj, Milos]; SHCHIPANOVA, T.N. [translator]; ZEYLIDZON, Ye.D., red.; LARIONOV, G.Ye., tekhn. red.

[Development of electrification in the Czechoslovakian Socialist Republic] Razvitie elektrifikatsii v Chekhslovatskoi Sotsialisticheskoi Respublike. Moskva, Gos. energ. izd-vo, 1961. 80 p.
(MIRA 14:6)

(Czechoslovakia—Electrification)

RATAYEV, M.V., mayor meditsinskoy sluzhby

Treatment of blepharitis with ultraviolet rays. Voen.-med. zhur.
no.8:80 Ag '61. (MIRA 15:2)
(EYELIDS—DISEASES) (ULTRAVIOLET RAYS—THERAPEUTIC USE)

RATAYSKIY, L. (Varshava)

Postwar cartography in Poland. Izv.Vses.geog.ob-va 89 no.4:362-364
Jl-Ag '57. (MIRA 10:10)

(Poland--Cartography)

22(1)

SOV/47-59-3-29/53

AUTHOR: Ratbil', E.L.

TITLE: The use of Drawings in Solving Problems in Electricity

PERIODICAL: Fizika v shkole, 1959, Nr 3, pp 76-79 (USSR)

ABSTRACT: The author gives some recommendations on how to make and best use drawings in solving problems in electricity, when the theme "Direct Current" is being discussed in the 10th class. He emphasizes the importance of good drawings using the symbols established by GOST, especially in those cases where for some reason, a working circuit cannot be assembled on the demonstrational table. On the basis of several problems in a workbook, published under the editorship of V.A.Znamenskiy (Nr 895, 916, 1068) the author illustrates how to use good drawings for obtaining comprehensive solutions to problems, which include the deter-

Card 1/2

SOV/47-59-3-29/53

The use of Drawings in Solving Problems on Electricity

mination of resistance, tension, intensity in electric circuits. There are 6 circuit diagrams.

ASSOCIATION: 54-ye srednyaya shkola, Moskva (54th Secondary School, Moscow)

Card 2/2

L 55219-65 EWT(1)/EEC(b)-2/EWA(h) Pm-4/Peb/P1-4/Pj-4/Pl-4

ACCESSION NR: AP5009816

UR/0106/65/000/003/0032/0040

621.375.933.001.24

AUTHOR: Alfeyev, V. N.; Ratbil', E. L.

TITLE: Calculation of multiresonator selective parametric amplifiers

SOURCE: Elektrosvyaz', no. 3, 1965, 32-40

TOPIC TAGS: parametric amplifier, multiresonator amplifier, selective amplifier, shf amplifier

ABSTRACT: Shf direct- or quarter-wave-coupled resonators are regarded as ladder networks, and their variable capacitances are represented by quadripole matrices. On this basis, formulas and curves are developed for calculating shf multiresonator converter- and reflector-type parametric amplifiers. The flatness of the bandpass characteristic and selectivity are considered. A formula for the gain of a circulator-type amplifier is derived. A coaxial quarter-wave-coupled 3-resonator amplifier intended for operation at 77K was calculated

Card 1/2

38
B

L 55219-65

ACCESSION NR: AP5009816

according to the above method, built, and tested; its frequency characteristics are shown. Multiresonator parametric amplifiers are recommended for use as preselectors, particularly for operation at very low temperatures. Orig. art. has: 9 figures and 43 formulas.

ASSOCIATION: none

SUBMITTED: 10Sep63

ENCL: 00

SUB CODE: EC

NO REF SOV: 001

OTHER: 002

Card 2/2

AVAKYAN, R.V.; GERSHUNI, G.V.; RATEMBERG, M.A.

Studies of the auditory analyisor in signs of hysterical deafness
[with summary in English]. Zhur.vys.nerv.déiat. 7 no.3:325-334
My-Je '57. (MIRA 10:10)

1. Laboratoriya fiziologii slukhovogo analizatora Instituta fiziologii im. I.P.Pavlova AN SSSR i Leningradskiy nauchno-issledovatel'skiy institut po bolesnym ukh, gorla, nosa i rechi.

(HEARING TESTS.

in hysterical deafness, conditioned reflex method (Rus))

(REFLEX, CONDITIONED,

in hearing tests in hysterical deafness (Rus))

RATAYCHAK, G.; SOBCHIK, L. [Sobozyk, L.]

Polarity of a hydrogen bonding in acid-base complexes. Zhur. strukt. khim. 6 no.2:262-270 Mr-Ap '65. (MIRA 18:?)

1. Kafedra fizicheskoy khimii Vrotslavskogo universiteta imeni Beruta, Vrotslav, Pol'sha.

Design of multi-resonator-type selective parametric amplifiers.
Ektrosavyn'. 3) no.3832-10 Mz '65.

(M-34 28:5)

RATEYEV, M. A.

20-1-46/54

AUTHOR RATEYEV, M. A.
TITLE Veins of Epigenetic Kaolinite in Argillaceous Rocks of the Vorkuta Series.
(Prozhilki epigeneticheskogo kaolinita v gliniistykh porochnakh Vorkutskoy svity -Russian)

PERIODICAL Doklady Akad.Nauk SSSR, 1957, Vol 115, Nr 1, pp 168-170 (U.S.S.R.)

ABSTRACT During the Study of carboniferous Permian deposits of the Vorkuta suite of the Pechora coal basin Makedonov's attention was drawn to small veins of a mineral which fill the fissures of endocleavage in argillaceous rocks. The samples were investigated by spectrophotometric, roentgenographic, optical and thermographic methods. The color of the mineral is white or cream-colored, it feels greasy, in powder form it is floury. The rocks contained in it are usually dark-gray argillites, sometimes enriched by aleulitic material. Greasy portions or efflorescences of this material do not seldom form part of the sliding surfaces. The mineral, according to all above-mentioned methods, proved to be kaolinite. The filling of vertical and horizontal fissures by kaolinite is known from the coals of Illinois. By the sequence in the epigenetic formation of minerals, kaolinite sometimes occurs in unaccustomed surroundings i.e. below the sea deposits in association with carbonates. Precipitation of kaolinite are further known in the cavities of Paleozoic lime stones of the Russian plateau, in phosphorites of Podolia, in clay rocks of the Donets basin. Epigenetic kaolinite doubtless is much wider di-

Card 1/2

Veins of epigenetic Kaolinite in Argillaceous Rocks of 20-1-46/54
the Vorkuta Series.

distributed, especially in old sediments. If kaolinite is found, account has to be taken of the fact that its formation is possible in surroundings unusual for its development.
(1 table, 4 Slavic references).

ASSOCIATION: Geologicheskiy institut Akademii nauk SSSR
PRESENTED BY: Strakhov, N. M., Academician, December 17, 1956
SUBMITTED February 6, 1957
AVAILABLE Library of Congress.
Card 2/2

RASZEK, J.; HANC, I.; KARSKA, G.; IWANOWSKA, T.

Case of dermatomyositis based on immune reaction. Pediat.
polska 31 no.6:679-685 June 56.

1. Z Kliniki Chor. Wewnętrznych Dzieci Inst. Matki i Dziecka
w Warszawie Dyrektor Instytutu: prof. dr. med. Fr. Groer
Kierownik Kliniki: doc. dr. med. J. Rsazek, Warszawa, ul.
Kasprzaka 17.

(DERMATOMYOSITIS, in infant and child,
immune origin (Pol))

RASZEK, Jan; HOMIK-LENARTOWSKA, Irena

Syndrome of herpetic stomatitis and diarrhea. Polski tygod. lek.
10 no.8:227-229 21 Feb 55.

1. Z klin. chor. wewn. dzieci; kir.doc.dr. Jan Raszek, instytutu
matki i dziecka w Warszawie; dyr. prof. dr. Fr.Groer.

(STOMATITIS

herpetic with diarrhea, epidemiol.)

(DIARRHEA, complications

stomatitis, herpetic, epidemiol.)

RASZEK, Jan; WYSZYNSKA, Teresa

The role of lipocaine hormone in pathogenesis of lipoid no-
phrosis syndrome. Pediat.polska 30 no.4:307-312 Apr '55.

1. Z Kliniki Chor.Wewn.Dzieci Instytut Matki i Dziecka w War-
szawie. Dyrektor Instytut; prof dr med. Fr. Groer; Kierownik
kliniki; dor.dr med.J. Raszek Warszawa Jasorzaja 17.I.M.1 Dz.

(LIPOCAIC, ther.use

lipoid nephrosis)

(NEPHROSIS

lipoid nephrosis, lipocaic in pathogen. & ther.)

RASZEK, Jan

RASZEK, Jan (Warszawa, Kasprzaka 17, I M1Dz)

Hematology of tuberculin reaction with special reference to
allergometry. Pediat. polska 29 no.5:461-484 May 54.

1. Z Kliniki Chorob Wewnętrznych Dzieci Instytutu Matki i Dziecka
w Warszawie. Dyrektor Instytutu: prof. dr med. Fr. Grot. Kierownik
kliniki: dr med. J. Raszek.

(TUBERCULIN REACTION,

blood responses, allergometry)

(BLOOD,

in tuberculin reaction)

ROZWADOWSKA-DOWZENKO, M.; RASZEWSKI, J.; PRZYBYL, L.

Kidney function tests in renal hypertension in younger age group. Polskie arch. med. wewn. 26 no.8:1267-1268 1956.

(HYPERTENSION, physiology.
kidney funct. test (Pol))
(KIDNEY FUNCTION TESTS, in various diseases,
hypertension (Pol))

RASZEWSKI, Jan

ROZWADOWSKA-DOWZENKO, Maria; PRZYBYL, Leszek; RASZEWSKI, Jan

Attempted insight into the functional state of the kidneys in arterial hypertension of young persons. Polski tygod.lek. 13 no.8:261-266
24 Feb 59

1. (z III Kliniki Chorob Wewnętrznych Akademii Medycznej w Poznaniu;
kierownik: prof. dr. med. Franciszek Łahendzinski.) Adres autora:
Poznań, ul. Szkolna 8/12 III Klin. Chor. Wewn.A.M.

(HYPERTENSION, physiol.

kidney funct. in young persons (Pol))

(KIDNEYS, in various dis.

hypertension, funct. in young persons (Pol))

RASZEWSKI P. K.

Wstęp do rachunku tensorowego by P. K. Raszewski. Reported in New Books
(Nowe Kaiaski.) March 1, 1956.

"Selections from 'Sitting Asynorevna' Notes into Hellish", p. 49,
(MIĘDZIĘDZIOWY KOMISJA, Vol. 1A, No. 2, February 1964, Warsaw,
Poland)

See: Monthly List of East European Periodicals (TML), LC, Vol. 4, No. 3,
March 1965, Vol. 1.

AKCEWIL, M. "The Effect of the Shortage of Oil on the Soviet Economy," p. 10, (ZWIĘZKI MIESIĘCZNIK Ekonomiczny, No. 1, 1954, Warsaw, Poland)
"Charging Motors that do Not Operate at Full Capacity", p. 42, (ZWIĘZKI MIESIĘCZNIK Ekonomiczny, Vol. 34, No. 2, February 1954, Warsaw, Poland)

SCS Monthly List of East European Acquisitions (EVAL), 16, Vol. 1, No. 1, March 1954, Unc.

RÁSZIVI, K.

"Soviet and Prerevolution Russian Painting; an Exhibition in the Former Capital City
Gallery." p.53. (Elet és Tudomány Vol. 9, no. 2. Jan. 1954, Budapest.)

Vol. 3, No. 6
SO: Monthly List of East European Accessions, Library of Congress, June 1954, Unclassified.

RASZÓ, I. : CSAITO, L.

Tractors and trailers at the 27th International Exhibition of Agricultural Machines
in Paris. p. 193.
Vol 2, no. 7, July 1955. JARMIÜVEK NEZOGAZDASÁGI GEPEK. Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1956